

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14. (canceled)

15. (new) An integrated circuit for use in a transponder for non-contacting communication with a communication station, the integrated circuit comprising:
circuit connecting contacts connected to transmission means of the transponder to pick off an input voltage;

control means to generate a control signal as a function of an operating mode of the transponder;

a monitoring circuit to receive the control signal from the control means and a voltage based on the input voltage, the monitoring circuit to generate a signalizing signal based on a relationship between a voltage threshold value and the voltage, wherein the voltage threshold value corresponds to the control signal; and

a data-processing circuit to receive the signalizing signal from the monitoring circuit.

16. (new) The integrated circuit of claim 15, further comprising a rectifier to receive the input voltage from the circuit connecting contacts and to generate the voltage based on the input voltage.

17. (new) The integrated circuit of claim 15, wherein the monitoring circuit comprises a comparator to compare the voltage threshold value and the voltage.

18. (new) The integrated circuit of claim 17, wherein the monitoring circuit further comprises a reference-voltage source to receive the control signal from the control means and to generate the voltage threshold value based on the control signal.
19. (new) The integrated circuit of claim 18, wherein the data-processing circuit comprises recognition means to recognize read and write modes of the transponder.
20. (new) The integrated circuit of claim 19, wherein the control means is further configured to generate a first control signal based on recognition of a read command by the recognition means.
21. (new) The integrated circuit of claim 20, wherein the reference-voltage source is further configured to generate a first voltage threshold value from a plurality of preset voltage threshold values based on the first control signal, wherein the first voltage threshold value is lower than a second voltage threshold value corresponding to a write command.
22. (new) The integrated circuit of claim 19, wherein the control means is further configured to generate a second control signal based on recognition of a write command by the recognition means.
23. (new) The integrated circuit of claim 22, wherein the reference-voltage source is further configured to generate a second voltage threshold value from a plurality of preset voltage threshold values based on the second control signal, wherein the second voltage threshold value is higher than a first voltage threshold value corresponding to a read command.
24. (new) The integrated circuit of claim 18, further comprising a configuration register of a storage means, the configuration register to store control information, wherein the control means is further configured to generate a third control signal based on the control information stored in the configuration register.

25. (new) The integrated circuit of claim 24, wherein the third control signal is lower than both a first control signal corresponding to a read mode of the transponder and a second control signal corresponding to a write mode of the transponder.
26. (new) The integrated circuit of claim 24, wherein the configuration data corresponds to a transponder talks first mode of the transponder.
27. (new) The integrated circuit of claim 15, wherein the data-processing circuit comprises a microprocessor, the microprocessor configured to initiate a reset procedure in the microprocessor based on the signaling signal from the monitoring circuit.
28. (new) A transponder for non-contacting communication with a communication station, the transponder comprising:
- transmission means to receive a control signal from the communication station;
 - and
 - an integrated circuit comprising:
 - circuit connecting contacts connected to the transmission means to pick off an input voltage;
 - control means to generate a control signal as a function of an operating mode of the transponder;
 - a monitoring circuit to receive the control signal from the control means and a voltage based on the input voltage, the monitoring circuit to generate a signaling signal based on a relationship between a voltage threshold value and the voltage, wherein the voltage threshold value corresponds to the control signal;
 - and
 - a data-processing circuit to receive the signaling signal from the monitoring circuit.

29. (new) The integrated circuit of claim 28, further comprising a rectifier to receive the input voltage from the circuit connecting contacts and to generate the voltage based on the input voltage.

30. (new) The integrated circuit of claim 28, wherein the monitoring circuit comprises:

- a comparator to compare the voltage threshold value and the voltage; and
- a reference-voltage source to receive the control signal from the control means and to generate the voltage threshold value based on the control signal.

31. (new) The integrated circuit of claim 30, wherein the data-processing circuit comprises recognition means to recognize read and write modes of the transponder.

32. (new) The integrated circuit of claim 31, wherein:

- the control means is further configured to generate a first control signal based on recognition of a read command by the recognition means; and

- the reference-voltage source is further configured to generate a first voltage threshold value from a plurality of preset voltage threshold values based on the first control signal, wherein the first voltage threshold value is lower than a second voltage threshold value corresponding to a write command.

33. (new) The integrated circuit of claim 31, wherein:

- the control means is further configured to generate a second control signal based on recognition of a write command by the recognition means; and

- the reference-voltage source is further configured to generate a second voltage threshold value from a plurality of preset voltage threshold values based on the second control signal, wherein the second voltage threshold value is higher than a first voltage threshold value corresponding to a read command.

34. (new) The integrated circuit of claim 28, further comprising a configuration register of a storage means, the configuration register to store control information which corresponds to a transponder talks first mode of the transponder, wherein the control means is further configured to generate a third control signal based on the control information stored in the configuration register, wherein the third control signal is lower than both a first control signal corresponding to a read mode of the transponder and a second control signal corresponding to a write mode of the transponder.